

93206

From: McGarry, Sean  
Sent: Monday, May 05, 2003 2:46 PM  
To: STIC-Biotech/ChemLib  
Subject: SEQ SEARCH

Sean McGarry 73484  
AU 1635  
CM1 11D07 Office  
CM1 11E12 Mailbox  
305-7028  
09/917,963

Please, a length limited search of nucleotides 3050-3250 of SEQ ID NO:3 (nt≤100).

Thanks

OFF

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: 5/6

Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

TYPE OF SEARCH:

NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_

Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)

STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_

sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_



## McGarry, Sean

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**From:** McGarry, Sean  
**Sent:** Monday, May 05, 2003 2:46 PM  
**To:** STIC-Biotech/ChemLib  
**Subject:** SEQ SEARCH

Sean McGarry 73484  
AU 1635  
CM1 11D07 Office  
CM1 11E12 Mailbox  
305-7028  
09/917,963

Please, a length limited search of nucleotides 3050-3250 of SEQ ID NO:3 (nt $\leq$ 100).

Thanks























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1  APPLICANT: McCoy, John
2  APPLICANT: Lavalley, Edward
3  APPLICANT: Kacie, Lisa
4  APPLICANT: Mervin, David
5  APPLICANT: Tracey, Maurice
6  APPLICANT: Evans, Cheryl
7  APPLICANT: Spaulding, Vicki
8  APPLICANT: Bowman, Michael
9  TITLE OF INVENTION: SEVERED PROTEINS AND POLYPEPTIDES
10 TITLE OF INVENTION: PATENTING THEM
11 NUMBER OF SEQUENCES: 17
12 CORRESPONDENCE ADDRESS:
13 ADDRESSEE: Genetics Institute, Inc.
14 STREET: 87 Cambridgepark Drive
15 CITY: Cambridge
16 STATE: Massachusetts
17 COUNTRY: U.S.A.
18 ZIP: 02140
19 COMPUTER READABLE FORM:
20 METHOD TYPE: Floppy disk
21 COMPUTER: IBM PC compatible
22 OPERATING SYSTEM: PC DOS/MS DOS
23 SOFTWARE: Patent to Release #1.0, Version #1.30
24 CURRENT APPLICATION DATA:
25 APPLICATION NUMBER: 05/097,661, 594B
26 FILING DATE:
27 CLASSIFICATION: 514
28 AT ORBY/APPLICANT INFORMATION:
29 NAME: Brown, Scott A.
30 REGISTRATION NUMBER: 42,774
31 TELECOMMUNICATION INFORMATION:
32 TELEPHONE: (617) 498-8224
33 TELEFAX: (617) 876-5851
34 INFORMATION FOR SEQ ID NO: 3:
35 SEQUENCE CHARACTERISTICS:
36 LENGTH: 84 base pairs
37 TYPE: nucleic acid
38 STRANDEDNESS: double
39 TOPLOGY: linear
40 MOLECULE TYPE: cDNA
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53 62 AAAAAAAAAAAAAAAAAAAAAA 81
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56 DS: 08-738-367-4
57 SEARCH: 3; APPLICANT: 05/208748607
58 Patent No. 0827608
59 GENERAL INFORMATION:
60 APPLICANT: Jacobs, Kenneth
61 APPLICANT: Messey, John
62 APPLICANT: Lavalley, Edward
63 APPLICANT: Kacie, Lisa
64 APPLICANT: Mervin, David
65 APPLICANT: Tracey, Maurice
66 APPLICANT: Spaulding, Vicki
67 TITLE OF INVENTION: SEVERED PROTEINS AND POLYPEPTIDES
68 TITLE OF INVENTION: PATENTING THEM
69 NUMBER OF SEQUENCES: 8
70 CORRESPONDENCE ADDRESS:
71 ADDRESSEE: Genetics Institute, Inc.
72 STREET: 87 Cambridgepark Drive
73 CITY: Cambridge
74 STATE: Massachusetts
75 COUNTRY: U.S.A.
76 ZIP: 02140
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80 OPERATING SYSTEM: PC DOS/MS DOS
81 SOFTWARE: Patent to Release #1.0, Version #1.30
82 CURRENT APPLICATION DATA:
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84 FILING DATE:
85 CLASSIFICATION: 514
86 AT ORBY/APPLICANT INFORMATION:
87 NAME: Brown, Scott A.
88 REGISTRATION NUMBER: 42,774
89 TELECOMMUNICATION INFORMATION:
90 TELEPHONE: (617) 498-8224
91 TELEFAX: (617) 876-5851
92 INFORMATION FOR SEQ ID NO: 3:
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2 STATE: Massachusetts
3 COUNTRY: U.S.A.
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11 FILING DATE:
12 CLASSIFICATION: 514
13 ATTORNEY/AGENT INFORMATION:
14 NAME: BROWN, SCOTT A.
15 REGISTRATION NUMBER: 42,724
16 TELECOMMUNICATION INFORMATION:
17 TELEPHONE: (617) 498-8224
18 TELEFAX: (617) 876-5851
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[illegible]

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US-09-921-203-1

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        29 AAA 27

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Patent No.: 5723435
GENERAL INFORMATION:
APPLICANT: JACOBS, Kenneth
APPLICANT: Henry, John
APPLICANT: Kavallo, Edward
APPLICANT: Kato, Lisa
APPLICANT: McHenry, David
APPLICANT: Treacy, Maurice
APPLICANT: Spaulding, Vikki
TITLE OR INVENTION: SEQUENCING THE LENGTH AND POLYNITRILE
TITLE OR INVENTION: ENCODING THEM
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.,
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patented Release #1.0, Version #1.40
CURRENT AFFILIATION DATA:
AFFILIATION NUMBER: 06/294,448
FILING DATE:
CLASSIFICATION: 536
ALTERNRY/AGENT INFORMATION:
NAME: Brock, Scott A.
REGISTRATION NUMBER: 32,723
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8254
TELEFAX: (617) 876-5851
INFORMATION P.W. SEQ ID NO: 7;
SEQUENCE CHARACTERISTICS:
LENGTH: 69 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-702-344-7

Seq. Match          14.4%   Score: 75.4   DB: 4   Length
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Human testis. Similar to cDNA from human testis.  
Accession  
DEFINITION

AT764145 68 bp mRNA linear EST of cDNA from  
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Accession  
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Human testis. Similar to cDNA from human testis.  
Accession  
DEFINITION

AT764145 68 bp mRNA linear EST of cDNA from  
Human testis. Similar to cDNA from human testis.  
Accession  
DEFINITION

ORGANISM

Medicago truncatula  
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
Spermatophyta; Magnoliophyta; Eudicotyledons; Core eudicot;  
Rosidae; eucotylids 1; Fabiales; Fabaceae; Papilionoideae; Hirta, leg;  
Medicago.

REFERENCE  
1 (bases 1 to 98)  
Korth, K., Scott, A.D., Harris, A.K., Gonzales, R.A., Bell, C.J., Flores  
R.H., Linnard, J., Weller, J.W., and May, G.D.  
Expressed sequence tags from the Medicago truncatula Noble Foundation  
Medicago truncatula cDNA library.  
Unpublished (2000)

CONTACT: Korth, K.  
Dept. of Plant Pathology  
University of Arkansas  
217 Plant Science Building, Fayetteville, AR 72701, USA  
Tel: 501 575 5191  
Fax: 501 575 7601

EMAIL: Korth, K.  
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26 APR 2001: 2001HW 0814419.  
 27 APR 2000: 2000HW 2001710.  
 (HERO ) (HERO) (HERO)  
 Chan, A.C., Tolman, R., Glynn, S., Matray, L.  
 W01 - 002 02616/03.  
 Use of substituted flavone or isoflavone compounds for inhibiting telomerase activity and treating e.g. cancer.  
 Example 4: Page 42: 47pp, English.  
 The present sequence is that of a labelled probe used in a telomerase detection and measurement assay used to test the efficacy of the compounds of the invention as telomerase inhibitors. The specification describes a method of inhibiting telomerase activity in a cell, comprising contacting the cell with a flavone or isoflavone compound. The invention has cytotoxic and proapoptotic, antiproliferative and anti-immunosuppressive, protozoicidal and fungicidal activities. The compounds of the invention act as telomerase inhibitors and are used for treating telomerase mediated conditions or diseases, e.g. tumours. They may also be used to treat hypoproliferative or autoimmune disorders, such as psoriasis, rheumatoid arthritis, immune system disorders regulating immune system suppression, immune system reactions to poison, ivy or pollen and also comatose, protozoan and fungal infections. The compounds can be administered with other active agents, e.g. anti cancer agents. The compounds can also be administered to plants and soil infected with phytopathogenic organisms having telomerase activity, alone or in combination with other agents to control plant diseases. The compounds can be used for a wide variety of malignant cell types and are highly selective, avoiding the problems of current cancer treatments, which are not specific and toxic.  
 Sequence 71 BP: 56 A: 12 C: 9 G: 3 T: 0 other:  
 Query Match 16 98: Score 44: 108 24: Length 71:  
 Post local similarity 74.18, Pred. No. 1.8e-02,  
 Matches 43: Conservative 0: Mismatches 15, Indels 0, Gaps 0  
 1 to 60CAAAACCTCTCTCTTAATGAGCAAAAAAAAAAAAAAAAAATACACATCAATGAA 194  
 2 CTTAACTTAACCTTAACTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 59  
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(CIBRO-) ZERON CORP.  
XX  
F1 F101 L. FRANK W., HIRSCH KS., LINSKRON MEH., WILLENBOGEN B;  
F1 WEST MOJ;  
XX  
WP: 1996-251464/25,  
XX  
F1 Identifying, isolating and regulating senescence-related genes -  
F1 useful to ameliorate problems associated with accumulation of  
F1 senescent cells, e.g. age-related lipofuscin accumulation in the  
F1 retina and AIDS  
XX  
Claim B; Page 4b; 135pp; English.  
XX  
AA AAT28076-128113, and AAT28131-128173 represent novel senescent-related  
CC gene sequences isolated from fibroblasts using the method of the  
CC invention. Is the method of the invention, mRNA is isolated from a  
CC senescent cell, and a young quiescent cell, and the mRNAs are amplified  
CC (using primers such as those shown in AAT28044-128075) in separate  
CC reaction mixtures. The amplified sequences are then separated by size o  
CC lution, and the products are analysed to identify a gene from young  
CC quiescent cells and dividing cells, that is present at a different level  
CC than senescent cells. To enhance the method even more, it can be  
CC performed in conjunction with an enhanced differential display (EDD)  
CC method (an mRNA preparation method) on the fibroblasts. The method can  
CC be used for the rapid and efficient identification and isolation of  
CC senescent-specific genes and gene products, and to detect and dist  
CC between senescent and non-senescent cells. It can also be used to  
CC identify cells expressing senescence specific (or related) gene products,  
CC and to screen for compounds capable of altering gene expression in  
CC senescent cells. The method can also be used to ameliorate problems  
CC associated with the accumulation of senescent cells such as age-related  
CC lipofuscin accumulation in the retina, and in the treatment of AIDS.  
CC Also, the method can be used to distinguish young cells from senescent  
CC cells in donor tissues which is useful in removing senescent melanocytes  
CC overexpressing melanin which cause hyper-pigmentation, or liver spots.  
XX  
SO Sequence 84 BP; 20 A; 5 C; 10 G; 48 T; 0 other;  
  
Query Match 16.98; Score 34; DB 17; Length 83;  
Percent Similarity 6.44%; Pred. No. 1,90(2);  
Matches 52; Conservative 0; Mismatch 30; Indels 0; Gaps  
  
CY 100 CTCCTCATACAGCTGCTTGAAGCATACGGCAAAAAGCAAGCAAGCTTCGTAAATCACGAA 159  
DB 1 111 1111 1 111111 11 1111111111 111 11 11 11  
82 GTCTCATATACACTTGCTTAAGCAAGCACTAATATAAGCTATCTCTTAAAAAAA 24  
CY 160 AAAAAAAAAAAAAAAAAAGTAA 161  
DB 1111111111111111 11  
22 AAAAAAAAAAAAAAAAAAAAAA 1

RESULT 4  
AACI14249  
ID AACI14249 standard; cDNA; 81 BP;  
XX  
XX AACI14249;  
IT 36 OCT 2000 (first entry)  
XX  
XX Human secreted protein 57 EST, SEQ ID NO: 17324.  
FE  
XX Human 5' EST: expressed sequence tag, secreted protein, cDNA isolation;  
KW gene therapy; chromosome mapping; ss.  
XX  
XX Homo sapiens.  
XX  
XX EP104401-A2.  
IN  
XX  
XX 05 SEP 2000.  
XX  
XX 21 FEB 2000; 2000EP-0200610.





















[illegible]

	/out_rasm "B_mio_sapientis"	
	/out_rslto "mitochondrion"	
	/dd_xref -t exon;9606"	
F_3	A C I Q	54 E
BASE COUNT RCOUNT		I others

Query Match: 16.48; Score 34; DB 6; Length 75;  
Best Local Similarity: 74.78; Pred. No. 4.2e+03;  
Matches: 42; Conservative: 0; Mismatches: 15; Indels: 0;  
Caps: 0;

[illegible]

KESSLER

AX203299	AX203299	89.34	DNA	Linear	FASTA	NCBI 2002
DEFINITION	Streptococcus 44 from Patient W0151846.					
ACCESSION	AX203299					
VERSION	AX203299.1	GI:15392669				
FEATURES						

## OKSANIISM

REFERENCES  
Mokoyeva, M. A.: *Chernykh, Granulata Vostoka*, *Entom. obozr.* 1961, 40: 1-10.  
Mammalian Pathology: *Principles of Veterinary Medicine*, 1 (cases 1 to 89).  
Schloepf, R., Fodde, W. and Mowbray, J. F.

**TITLE** Identification, assessment, prevention, and therapy of prostate cancer  
**Patient:** W0 0154836-A 44 26-JUN-2001  
**JOURNAL** *Millennium Predictive Medicine*, Inc. (US)

# SCOUTS

TABLE 1  
continued

Category	Count	Percentage
Correct matches	16,287	80.0%
Host local similarity	62,38	3.1%
Matches	50	0.2%
Mismatches	29	0.1%
Indels	0	0.0%
Gaps	0	0.0%

[illegible]

14 71 AAAAAAAAAAAAAAAAAA 89

$$A_{\mathbb{X}}(R) \cong A_{\mathbb{X}}(R) \oplus A_{\mathbb{X}}(R)$$

LOCUS	22.4P	DNA
DEFINITION	Sequence 343 from patient W0012290.	1,000 bp
ACCESSION	AF081405	
VERSION	AF081405.1	GI:19576224
KEYWORDS		
REFERENCE		

REFERENCE	TITLE
1.	Mammalian; Eutheria; Primates; Carnivora; Homnidae; Homo. Diet; Food; Nutrition; Composition; Methods for the therapy and diagnosis of color cancer

JOURNAL  
 NAT'L. WD 0212280 A 313 14 FEB 2002  
 CORIXA CORPORATION (US)  
 FEATURES  
 Location/Qualifiers  
 1 3

SOURCE	$\lambda$ , $\mu$	"HOMO" SAPIENS	$\frac{d\ln \chi_{\text{TOT}}}{d\ln \chi_{\text{HOMO}}}$	3 of 10'S
BASE CATALYST	4	7	4	5
ORIGIN	7	4	5	1

Host Local Similarity	68.9%	Prod. No.	4,30033
Matches	42	Conservative	0
		Mismatches	19
		Indels	0
		Gaps	0

193 A 194

10) 10

## REFERENCES

AX420653/4	AX420653	93 bp	INA	LOCAT	PAT 14-157-2001
10-4105	SEQUENCE	23	FROM	PATENT	W01184736.
IDENTIFICATION	AX420854				
ACCESSION	AX420854.1	GT:17562404			
VERSION					

## SOURCE

REFERENCE  
1. VILGOS, J. S. RNA positive-strand viruses, no RNA stage? Flaviviridae, Hepacivirus.

**ARTICLE**  
**TITLE**  
Polymerase  $\alpha$  and Replication  
Internal de novo initiation sites of the key  $\alpha$  subunit polymerase and  
use thereof  
**JOURNAL**  
Patent: WO 012736-A 23-09-2001

FINDINGS  
SCORING[illegible]

Query Match	16.18	Score	32.47	DB	67	Length	937
Host Local Similarity	64.98	Prod. No.	4.1e+03				
Matches	48	Conservative	07	Mismatches	267	Indels	07
							Gaps

**OY**    120 AACGATCGAGGAAAAAC AAAACGTTCTTAAT AGTAAAAAAAAAAAAAAAAAGT 179  
        ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
**Iib**    74 AAGCAAAAATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGC 155

Qy	180	AAAGACACGAACAA	1
	14	11111111	
100	14	AAAAAAAAAAAA	1

[illegible]

AX482104	AX482104	97 bp	IMA	110047	FAN 14	Aug. 2009
127925	AX482104	Sequence 81	From Patient EP129233			
127926	AX482104					
127927	AX482104					
127928	AX482104					
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127994	AX482104					

## SUMMARY

REFERENCE	TITLE
1	Means and methods for treatment evaluation
van der Aa, A., and Verbeek, M.	
Patent: EP 125734-A 81, 24-JUN-2002	



